

CLAIMS:

1. Apparatus for recording a main file comprising a main information signal and auxiliary files comprising auxiliary information signals in a track on a record carrier, so as to enable simultaneous presentation of the main information signal and at least one of the auxiliary information signals, said track comprising a series of locations, said apparatus

5 comprises:

- first receiving means for receiving said main file;
- second receiving means for receiving said auxiliary files;
- first processing means for subdividing the main file into a sequence of main blocks, each block comprising a part of the main information signal having a specific
10 presentation time;
- second processing means for subdivide each auxiliary file into a sequence of auxiliary blocks, each block comprising a part of an auxiliary information signal having a specific presentation time;
- writing means for writing in said track of the record carrier in a first location a block
15 of an auxiliary file comprising a part of an auxiliary information signal having a specific presentation time, in a second location a subsequent block of the corresponding auxiliary file and in at least one location between the first and second location at least one block of the main file comprising a part of the main information signal having a presentation time which corresponds to the presentation time of the
20 auxiliary information signal to be written in the first location.

2. Apparatus as claimed in claim 1, characterized in that a first number of auxiliary files comprises a similar type of signals, the second processing means being adapted to subdivide the first number of auxiliary signals into sequences of auxiliary blocks
25 comprising parts of the respective auxiliary information signals having similar specific presentation times, and the writing means are adapted to write in contiguous locations the blocks of the first number of auxiliary signals comprising the parts of the auxiliary signals having the similar specific presentation time.

3. Apparatus as claims in claim 1 or 2, characterized in that the main information signal is a video signal.

4. Apparatus as claimed in claim 1 or 2, characterized in that at least one of the
5 auxiliary information signals is an audio signal.

5. Apparatus as claimed in claim 1 or 2, characterized in that at least one of the auxiliary information signals is a subtitle signal.

10 6. Apparatus as claimed in claim 1 or 2, characterized in that at least one of the auxiliary information signals is a PIP signal.

7. Apparatus as claimed in claim 1 or 2, characterized in that at least one of the auxiliary signals is a graphics signal.

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8. Method of recording a main file comprising a main information signal and auxiliary files comprising auxiliary information signals in a track on a record carrier, so as to enable simultaneous presentation of the main information signal and at least one of the auxiliary information signals, said track comprising a series of locations, said method
20 comprises the steps of:

- receiving said main file;
- receiving said auxiliary files;
- subdividing the main file into a sequence of main blocks, each block comprising a part of the main information signal having a specific presentation time;
- 25 - subdivide each auxiliary file into a sequence of auxiliary blocks, each block comprising a part of an auxiliary information signal having a specific presentation time;
- writing in said track of the record carrier in a first location a block of an auxiliary file comprising a part of an auxiliary information signal having a specific presentation
30 time, in a second location a subsequent block of the corresponding auxiliary file and in at least one location between the first and second location a block of the main file comprising a part of the main information signal having a presentation time which corresponds to the presentation time of the auxiliary information signal to be written in the first location.

9. Method as claimed in claim 8, characterized in that a first number of auxiliary files comprises a similar type of signals, the method further comprises the steps of:

- subdivide the first number of auxiliary signals into sequences of auxiliary blocks comprising parts of the respective auxiliary information signals having similar specific presentation times,
- writing in contiguous locations the blocks of the first number of auxiliary signals comprising the parts of the auxiliary signals having the similar specific presentation time.

10. Record carrier carrying a main file comprising a main information signal and auxiliary files comprising auxiliary information signals in a track on a record carrier, so as to enable simultaneous presentation of the main information signal and at least one of the auxiliary information signals, said track comprising a series of locations, the main file being subdivided into a sequence of main blocks, each block comprising a part of the main information signal having a specific presentation time;

each of the auxiliary files being subdivided into a sequence of auxiliary blocks, each block comprising a part of an auxiliary information signal having a specific presentation time;

a first location comprising a block of an auxiliary file comprising a part of an auxiliary information signal having a specific presentation time, a second location comprises a subsequent block of the corresponding auxiliary file and a location between the first and second location comprises a block of the main file comprising a part of the main information signal having a presentation time which corresponds to the presentation time of the auxiliary information signal written in the first location.